

Fig. 3 Precision Cyclo Gear System with Three Camshafts, Three Wave Disks, Three Planet Gears, Three Connecting Torque Rods and One Sun Gear, and Hollow Center.

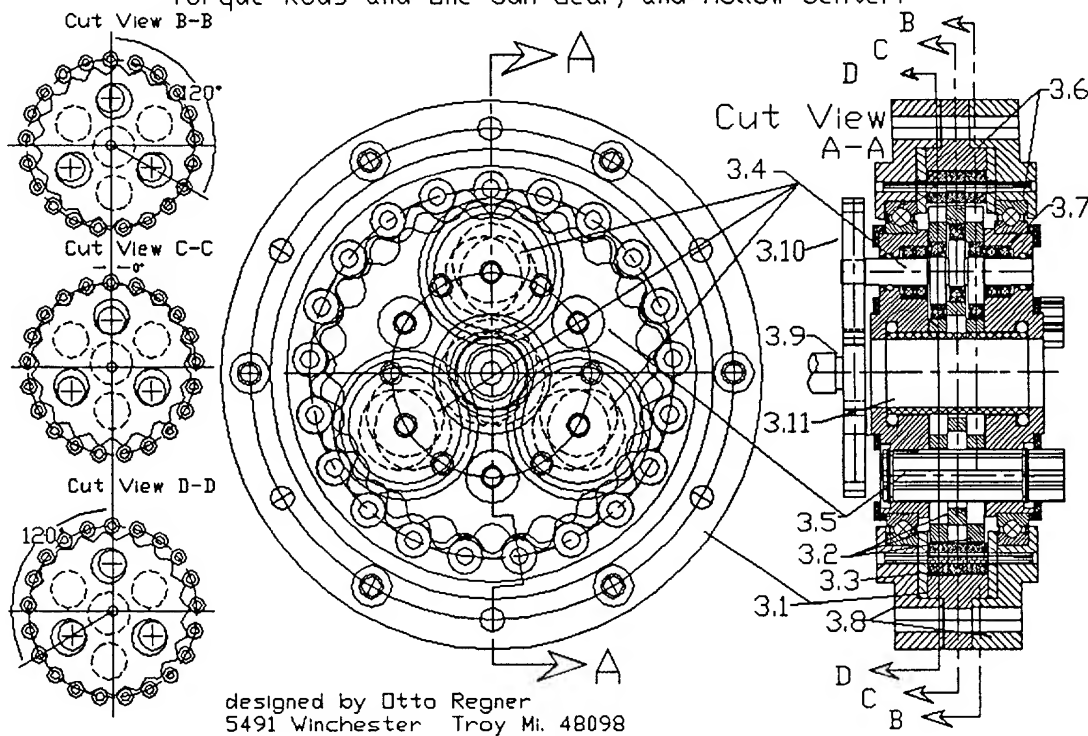


Fig. 4 Heavy-Duty Precision Cyclo Gear System with Three Camshafts, Three Torque Rods, Three Disks, Three Planet Gears, One Center or One Outer-Centered Peripheral Sun Gear, and Hollow Center Hole

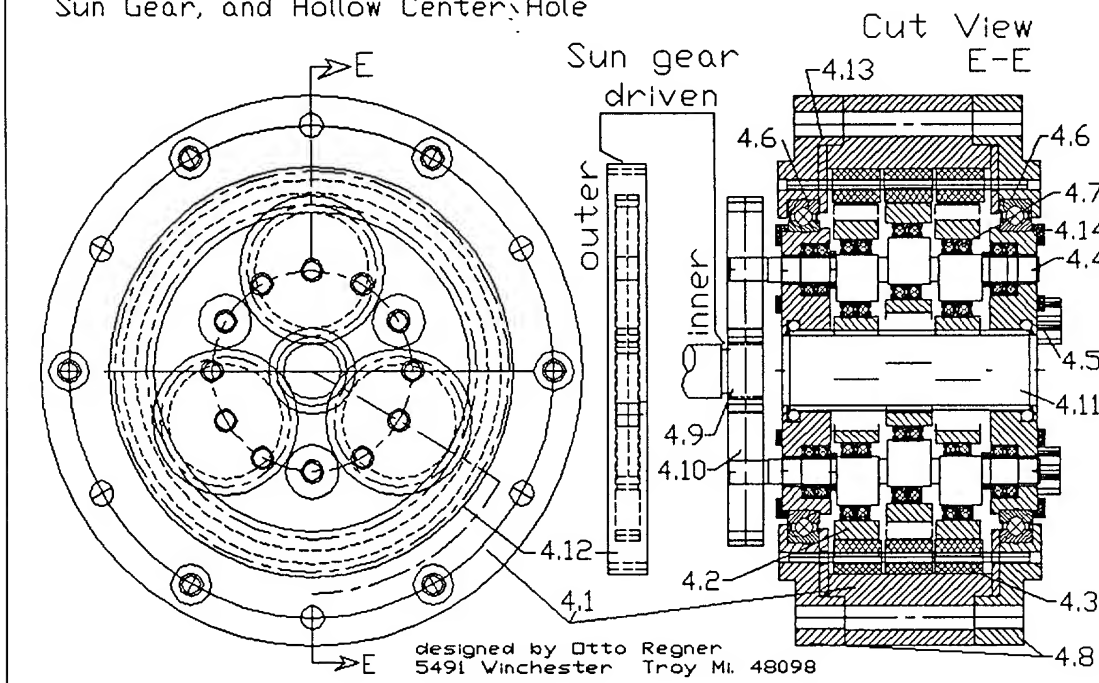
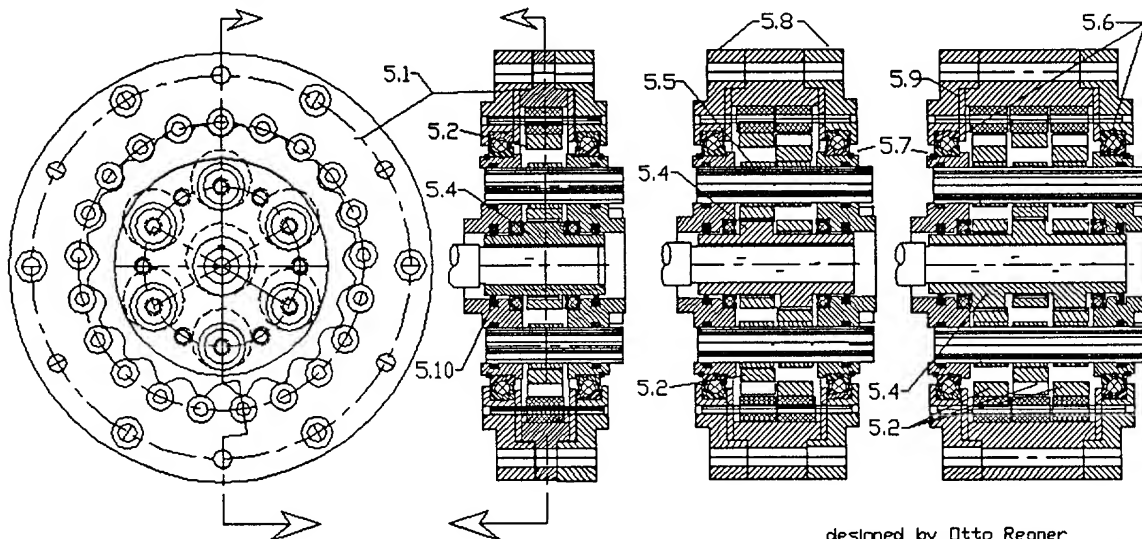


Fig. 5 Center-Driven Cyclo Integrated Gear-Axes with 1 or 2 or 3 Disks, and Six Torque Bars with Low-Friction Bushings, and Pre-Loaded Cross-Roller Bearings.



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Fig. 6 ONE DISK ABSOLUTE ANGULAR ROTATION ENCODER USING LOW-POWER INFRA RED LED, TTL UP/DOWN COUNTER WITH SHIFT REGISTER AND LOCAL RECHARGEABLE BATTERY POWER BACKUP

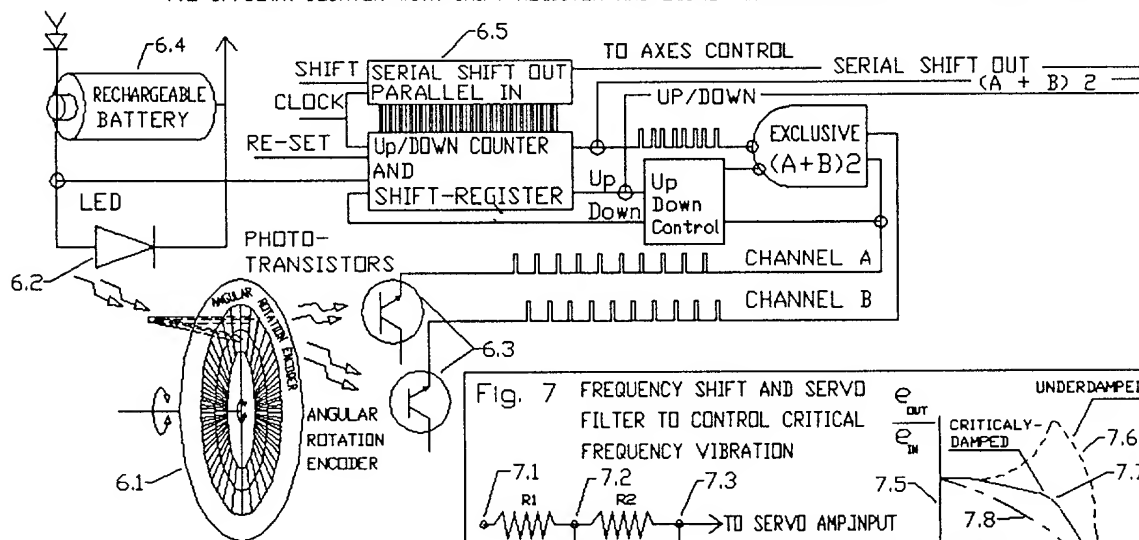
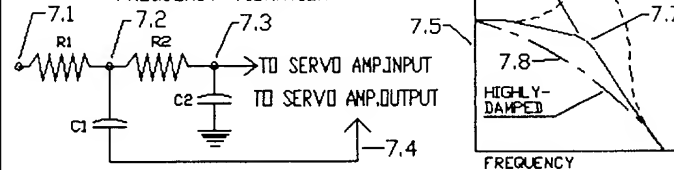


Fig. 7 FREQUENCY SHIFT AND SERVO  
FILTER TO CONTROL CRITICAL  
FREQUENCY VIBRATION



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